

Career Highlights

- Deep history and experience building software ranging from assembly language, to C, to C++/VB, to C# .NET, database, web and culminating to **SOA-based, business intelligence services**.
- Architected, designed, built and managed an enterprise travel system responsible for **\$20 billion of business**.
- **Chief Technology Officer** of a Chinese multinational corporation directing the efforts of 8 managers and over 200 employees.
- Architected Microsoft certified 20,000 TPS (transactions per second) SQL 2005 database (over **80 million transactions per hour**).
- Crafted **full product lifecycle** (PLC) of over 40 products spanning wireless, Internet, database, and web site technologies.
- Designed a **multi-terabyte global invoicing** data warehouse and business intelligence system supporting all European billing transactions.
- Architected, designed and built business intelligence dashboard of real-time charts and alerts delivering **intelligence on \$5 billion** of business.
- Fluent in **Mandarin Chinese**.

Technology Skill Sets	Languages	Linux / UNIX	Microsoft
	Agile Management	Administration	Business Intelligence
	ASP.NET	Apache HTTPD	Development Studio
	AJAX	Apache Tomcat	Internet Information
	Bash Scripting	CentOS	Server
	C#, C++, C	Cisco ASA Firewalls	Linq to SQL
	CSS	Device Drivers	Microsoft Office
	Dreamweaver	DNS	Microsoft Project
	Dynamic HTML	Fedora Core 11	Microsoft Visio
	Google Maps	GlassFish 3.x	SQL Server 200x
	HTML, XHTML	IBM DB2	SS Analysis Services
	Intel 80xx µControllers	IBM WAS	SS Integration
	Java (J2EE, JSP)	IP Tables	Services
	JavaScript	Jasper Reports	SS Management
	JSON	MySQL	Studio
	SQL-92, Transact-SQL	PostGre SQL	SS Reporting
	Web Services, SOA, SaaS	Red Hat Enterprise	Services
	XML, XSLT	SendMail	Visual Studio 2008
		Subversion, CVS	Windows 2008 Server
		Usermin	Windows
		VMware	Communications
		Webmin	Framework (WCF)

Professional Experience Oct 2008 – Present ConMar, LLC Irvine, CA
Chief Systems Architect

- Major Clients:**
- **American Trucking Association**
 - **Ocean Carrier Equipment Management Association**
 - **PierPass**
- Technology leadership of the Clean Trucks Programs at the Port of Long Beach and the Port of Los Angeles.
 - Reduced emissions at the two Southern California ports by 80% in just the first 10 months of operation.
 - Custom accounting software with General Ledger, Accounts Receivable, Deferred Revenue, including full reporting and auditing support.

- **Port of Long Beach**
- **Port of Los Angeles**
- **PortCheck**
- Instrumental in documenting, institutionalizing and achieving SAS 70 Level II certification
- Oversight of all network, database, and application hardware and software across datacenters in Irvine, CA and Chandler, AZ.
- Virtualized environment support over \$1 million per day of traffic on internal and external websites.
- Call center support of 30+ full-time call center representatives.
- Architected, designed and built TrucFlo.com website to meeting America's national Federal Motor Carrier Safety Administration's chassis inspection reporting requirements.
- Built Blackberry, iPhone, and mobile applications using Java and Objective C APIs from phone vendors.
- Wrote use cases, functional specifications and design documents for product features.
- Coordinated, communicated and trained sales team and customers in the usage of our products and features.
- Wrote disaster recovery and business continuity plans according to SAS 70 Level II requirements.

Professional Experience

Oct 2007 – Oct 2008 New Momentum San Clemente, CA
Director of Business Intelligence

Major Clients:

- 3Com
- Apple
- Cisco
- Pfizer
- Qualcomm
- Sun

- Architected, designed and built enterprise dashboards showing global performance statistics on brand protection violations and supply chain risk management trends.
- Published SQL Server Analysis Services cubes on the Internet.
- Interfaced face-to-face with major clients to determine future trends and specify desired new product features.
- Demonstrated product lines to industry analysts including Gartner Group and AMR Research.
- Built real-time graphing engine to show trends in customers, customer and product categories, time and a litany of other trending variables.
- Architected, designed and built alerting system using a service-oriented architecture built on Windows Communication Framework (WCF) to notify customers of potential violating companies of channel and brand agreements.
- Successfully migrated all web, test and development SQL Servers and Analysis Servers to SQL 2008.
- Wrote use cases, functional specifications and design documents for new product features in brand protection and new products for supply chain risk management.
- Coordinated, communicated and trained sales team and customers in the usage of our products and upcoming features.
- Incorporated international capabilities throughout all databases, analysis engines and web sites.

Jun 2004 – Present GrayArrow Consulting Newport Beach, CA
Chief Software Architect

Major Clients:

- Carlson Wagonlit

- Manager responsible for supervising a team of 15 developers through full product lifecycle of web-based, .NET enterprise travel application

- Travel (CWT)
- Ether-2
- Skky.net

- suite focusing on the total customer and end-user experience.
- **Architected** Microsoft certified 20,000 TPS (transactions per second) SQL 2005 database utilizing Transact-SQL and SQL Server Management Studio. Designed all table and indexing structures, stored procedures and maintenance plans for 24/7/365 operation and DBA knowledge transfer.
- **Wrote** use cases, functional specifications, design documents and project plans for new multi-terabyte global invoicing and business intelligence application. Leveraged Microsoft BI Technologies – Internet Information Server, Analysis Services, Integration Services, SQL Server 2005 and Reporting Services.
- **Coordinated**, communicated and trained global development and cross-functional teams on capacity planning, project states, database administration and organizational impact.
- **Designed** and built J2EE hotel mapping tool leveraging Web 2.0 concepts and technologies including AJAX, JavaScript, XHTML and all facets of Dynamic HTML.
- **Incorporated** international capabilities using native Java and database driven translation engines.
- **Maintained** all Linux servers remotely at Intelenet datacenter; including Cisco Firewalls, PostGre and MySQL databases, Webmin and operating system administration functions.
- **Developed** Linux Ethernet network drivers for new synchronous Media Access Controller. Also built Linux testing application leveraging device-driver API.

Jan 2003 – Jun 2004 t • ORB
Division Manager

Ontario, CA

Major Clients:

- SmartHome
- Crestron
- TrendNet
- ViaCam

- **Management** of full product lifecycle for Remote Life from concept to implementation. The Remote Life Center (RLC) includes tools for connecting any home or office to the world. The Remote Life Center encompasses Internet, mobile phone, wireless, on-demand video and Power Line Carrier (PLC) technologies.
- **Provided** vision, leadership, and mentoring of functional teams, spearheading the development and marketing of the Remote Life Center.
- **Recognized** at 2004 Consumer Electronics Show as a finalist for Product of the Year in the Whole Home Automation category.
- **Implemented** business model including supply, distribution and support relationships.
- **Lead** the product's international effort in exportation and international distribution agreements.
- **Managed** investor relations and supporting infrastructure for entrance into capital markets.
- **Hands-on** Java coding and Linux administration, including assistance to development staff with full-motion video and escalated design and implementation issues.

Sep 2001 – Jan 2003

HXXD USA, Inc.
北京华夏新达有限公司

Beijing, China

Chief Technology Officer

Major Clients:

- Chinese

- **Managed** full product lifecycle of the Sky Eyes Facial Recognition product suite. This product line included tools for Surveillance,

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- Government
 - Chinese Military
 - Beijing Capitol Airport
 - Shijia Zhuang Airport
 - Hong Kong – Guangdong border
- Identification and Verification, and an integrated administration module called the Central Operations Post (COP).
 - **Provided** vision, leadership, and mentoring of development team as we spearheaded the development of cutting-edge facial recognition technology.
 - **Lead** the product's international effort. Every HXXD product required seamless movement from English to Traditional Chinese to Simplified Chinese.
 - **Continually** monitored product gaps and customer perceptions for incorporation into current and future product opportunities.
 - **Coordinated** Chinese Sales Department in international selling approaches including presentations and assistance in due diligence for prospective clients (pre- and post-sale), while presenting meaningful content for security trade shows and law enforcement forums in Beijing, China.
 - **Hands-on** Visual C++ and Visual Basic coding, including assistance to global development staff with escalated design and implementation issues.

Mar 2001 – Jun 2001 California State University San Bernardino
Professor of E-Commerce

- **Provided** graduate students strategic guidelines for the principles, requirements, and tools necessary in conceptualizing and building high-quality e-commerce systems by developing comprehensive business plans, project management plans, and web applications with a holistic understanding of best-practice e-business processes.
- **Formulated** business integrative e-business models.
- **Introduced** students to the perspectives of a new generation of managers, planners, analysts and programmers to the realities and potential for electronic commerce in today's competitive business environment.
- **Train** students on Active Server Pages (ASP), Structured Query Language (SQL), and eXtensible Markup Language (XML) architectures.

Aug 1996 – Dec 2000 AQUA Software Products, Inc. Santa Ana, CA
Director of Engineering

Major Clients:

- American Express
 - Travelocity.com
 - Travel One
 - Rosenbluth International
- **Managed** full project life cycle of the AQUA (Automated QUality Assurance) 2000 Mid-Office Suite to successful completion.
 - **Provided** vision, leadership, and mentoring of development team through 45 combinatorial products in four years.
 - **Worked** with top management to develop goals and plan resources while consciously incorporating valued input from other departments for successful and profitable product designs.
 - **Continually** monitored product gaps and customer perceptions for incorporation into current and future product opportunities.
 - **Worked** intimately with QC department to ensure a thorough Beta Phase on the road to successfully releasing products on-time and on-budget.
 - **Assisted** Sales Department in team-based selling approaches including presentations and assistance in due diligence for prospective clients (pre- and post-sale), presenting meaningful content for seminars and users' conferences, and speaking at industry trade events.

